

H2 3000 SERIES

High Pressure, Hydrogen
Pressure Reducing Regulators



The Premier H2 3000 Series are piston-sensed, pressure-reducing regulators engineered specifically for high-pressure hydrogen service. H2 3000 Series regulators are rated for inlet and outlet pressures up to 10,000 PSIG (689.48 bar) and are available with Cv values of 0.04, 0.06, 0.12, and 0.20. Captured venting is standard, allowing safe routing of vented hydrogen away from operators and equipment.

Built to address the unique challenges of hydrogen systems, these regulators use materials and internal components selected to resist hydrogen embrittlement, ensuring long-term durability and consistent performance.

The H2 3000 Series delivers a robust, hydrogen-ready solution where safety, material integrity, and pressure stability are critical.

FEATURES

- Hydrogen compatible materials
- 10000 PSIG (689.48 bar) MAX
- Captured venting standard
- Cv 0.04, 0.06, 0.12, 0.20
- Numerous optional features
- Economical pricing
- Machined bar stock body, bonnet and piston eliminates porosity found in castings

SOME APPLICATIONS WILL REQUIRE A CUSTOM SOLUTION.
CONTACT PREMIER INDUSTRIES TO REQUEST A MODIFICATION
OR A CUSTOM DESIGN.